

N. M. Furer and V. V. Kvirikadze write that they established the great sensitivity of bacteria causing catarrh of the upper respiratory organs to the antibiotic. Ye. M. Petrova reports that she established the sensitivity of 112 strains of bacteria in patients suffering from furunculosis, abscesses, and burns to biomycin. An article by M. A. Petrova and Ye. K. Berezina cites data on the effectiveness of biomycin when applied in the therapy of diphtheria of the eyes in guinea pigs. Prof G. N. Pershin and associates publish data which bear out the effectiveness of aureomycin and biomycin in experimental therapy of gas infections in mice.

Two articles in the volume are devoted to the results of investigations which were conducted to determine the effectiveness of biomycin and aureomycin in combination with ekmoline when used in experimental dysentery in mice. The investigations were conducted by Ye. A. Ved'mina, N. V. Kaverina, S. M. Navashin, and L. K. Valedinskaya. Although the antibiotics were highly effective in the control of dysentery, they failed to completely expel the bacilli from the organism.

About half of the articles in the volume are devoted to reports on the clinical application of biomycin. The antibiotic was found to be highly effective in the control of acute dysentery in children and adults. It was not quite as effective in the therapy of chronic dysentery.

L. M. Yartseva reports favorable results in therapy of acute and subchronic forms of brucellosis with biomycin in combination with vaccinothrapy.

The successful application of biomycin in the therapy of furunculosis in children and adults is reported by L. F. Berezhkov and A. A. Kalamkaryan. Prof I. M. Porudominskiy and Prof N. N. Yelanskiy report on successes obtained in the application of biomycin in the therapy of gonorrheal and nongonorrheal inflammations of the urino-genital tract of males. An article by T. I. Voinova and N. D. Zatsepina tells of the successful application of the antibiotic in the therapy of recurrent trachoma.

The volume as a whole makes a good impression, the author writes. Little attention, however, is given to the study of the application of biorycin in combination with other antibiotics, and many articles fail to provide bibliographical data. (U)

Sum in 1467

KIVMAN, O.Ya., kandidat meditsinskikh nauk.

Use of antibiotics; concentration of antibiotics in foci in men
and in animals; review according to materials from foreign periodic
literature. Antibiotiki, sborn. perev. 9 no.3:47-58 1956

(MIRA 9:6)

(ANTIBIOTICS, ther. use
concentration in foci in men & in exper. animals,
review)

KIVMAN, G. YA.

USSR/Pharmacology, Toxicology. Chemotherapeutical Preparations

V-7.

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 23424

Author : Kivman G.Ya.

Inst : Not Given

Title : Morphological Alterations in the Organs and Tissues of Animals, Which Were Caused by Gramicidin C and By Water-Soluble Gramicidin.

Orig Pub : Arkhiv patologii, 1956, 18, No 6, 115-117

Abstract : Gramicidin C (I) and water-soluble gramicidin (II) were administered intravenously in lethal doses to mice. After the administration of 250 of I the death of the mice came in 30-60 minutes, and following the administration of 400 of II death took place in 30-120 minutes. Macroscopic and microscopic alterations in the animals of both groups were alike. Sharp hyperemia and hemorrhages occurred in the lungs, plethora in the brain. Dilation of the capillaries, their over-flow with blood, and perivascular hemorrhages were found in the brain, lungs, myocardium, liver, kidneys, and spleen. Dystrophic alterations in the cells of the liver were noted. In

Card : 1/2

KIVMAN, G. Ya.

USSR/Microbiology. Antibiosis and Symbiosis. F-2
Antibiotics

Abs Jour : Ref Zhur-Biologiya, No 1, 1957, 548

Author : G. Ya. Kivman, M. A. Breger, and I. P. Balyun

Inst :

Title : Rapid Micromethod of Determination of the
Concentration of Antibiotics of the
Tetracycline Group (Biomycin, Cyclomycin,
and Riomycin) in Biological Fluids.

Orig Pub : *Biul.* eksperim. biol. i med., 1956, vol 41
No 1, 78-79

Abstract : The new method is a simplified Shneyerson
method. The correlation of the components
of the reaction has been changed, and the
composition of the nutritive medium has
been simplified. To determine the con-
centration of the antibiotic 0.2 ml of

Card 1/3 *Dept. Exptl. Chemotherapy -*
Inot. Pharmacology Exptl. Chemotherapy & Chemoprophylaxis

USSR/Microbiology. Antibiosis and Symbiosis. F-2
Antibiotics

Abs Jour : Ref Zhur-Biologiya, No 1, 1957, 548

Abstract : the tested biological fluid is sufficient.
The pH of 7.0 is determined by 10% NaOH.
The medium does not require sterilization and can be kept at room temperature.
Determination is on the basis of the change in the color of the medium; phenol red is the indicator. Bacterium proteus OX₁₀ is the test culture. A series of dilutions of the tested biological fluid and a series of dilutions of the standard antibiotic are prepared. Each series consists of 11 experimental and 1 control dilutions. In order to calculate the concentrations of the antibiotic and the tested fluid it is necessary to

Card 2/3

USSR/Microbiology. Antibiosis and Symbiosis
Antibiotics

F-2

Abs Jour : Ref Zhur-Biologiya, No 1, 1957, 548

Abstract : multiply the minimal concentration of the standard antibiotic which arrests the growth of *Bacterium proteus* OX₁₉ by the maximal dilution of the tested biological fluid which has an action similar to that of the antibiotic. The described method makes it possible, by the utilization of small volumes of the fluids, and in nonsterile conditions, to determine the concentration of antibiotics of the tetracycline group within 4 to 4½ hours.

Card 3/3

[illegible]

Elaine K. Burstein

KIVMAN, G. Ya.

1988
R ANTIBIOTIC AND RADIATION SICKNESS. G. Ya. KIVMAN
(Academy of Medical Sciences of S.S.S.R.), Pfizer 48,
105-7(1988) Mar. (In Russian)

Antibiotics are recommended as a protective measure against radioinduced infections originating in the intestine. Penicillin was used in the treatment of rats exposed to lethal doses of ionizing radiation. After 50 days 87% of the treated rats survived while all exposed but untreated rats perished. In *β*-hemolytic streptococcus infection penicillin therapy reduced the death-rate among irradiated rats from 100% to 4.2%. Streptomycin, also, proved quite effective in the treatment of rats exposed to lethal doses of x rays. After 24 days 88% of the untreated animals perished, while among the treated were only 45% dead. Streptomycin proved quite effective in the treatment of irradiated mice experimentally infected by *Shigella*, *Intestine bacilli* and other organisms. It must be mentioned that streptomycin stops diarrhea which is one of the most pronounced symptoms of radiation sickness. Ampicillin, terramycin, and other antibiotics were tested on dogs and proved effective against mixed bacillary infection. (R.V.J.)

KIVMAN, U. Ya. (Cand. of Med. Sci.); IVANOVA, U. A. (Cand. of Vet. Sci.);
BREGER, M.A. (Cand. of Med. Sci.); BALYN', I.R.; ERTUGANOVA, Z.A. (Cand of Med.
Sci.); KALININA, N.A.

"Tetracyclin,"

p. 214 Ministry of Health USSR Proceedings of the Second All-Union Conference on
Antibiotics, 31 May - 9 June 1957. p. 405, Moscow, Medgiz, 1957.

KIVMAN, G.Ya.; KHARITONOVA, A.M.

Fat dystrophy of the liver in white mice after oral and intravenous administration of tetracycline. Antibiotiki 2 no.1:49-52 Ja-Y '57.
(MIRA 12:11)

1. Otdel khimioterapii (sav. - chlen-korrespondent AMN SSSR prof. Kh.Kh. Planel'ya) Instituta farmakologii i khimioterapii AMN SSSR.

(TETRACYCLINE, eff.

induction of fatty liver after oral & intravenous admin. in mice)

(FATTY LIVER, exper.

induction with tetracycline in oral & intravenous admin. to mice)

~~KITMAN, G. V.~~

Work of the Chemotherapeutic Section of the Moscow Branch of the
Society of Microbiologists. Antibiotiki 2 no.3:61-62 My-Je '57.
(CHEMISTRY, MEDICAL AND PHARMACEUTICAL) (MIRA 10:8)

USSR / Microbiology. Antibiosis and Symbiosis.
Antibiotics.

F-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76702.

Author : Kivman, G. Ya.; Shneiderman, A. N.

Inst : Not given.

Title : Synergism and Antagonism of Antibiotics. (Review
on Materials of Foreign Periodical Literature).

Orig Pub: Antibiotiki, Sb. perev., obz. i ref. in. period.
lit., 1957, No 6, 3-16.

Abstract: No Abstract.

Card 1/1

Kivman G. Ya.

USSR/Pharmacology, Toxicology, Chemotherapeutical Preparatory

V-7

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722920016-2

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 23429

Author : Kivman G. Ya., Kharitonova A. M.

Inst : Not Given

Title : Fatty Dystrophy of the Liver of White Mice Caused by the
Oral and Intravenous Administration of Tetracyclins.

Orig Pub : Antibiotics, 1957, 2, No 1, 49-52

Abstract : Chlorotetracyclin (I), tetracyclin (II) and oxytetracyclin (III) were administered orally to mice in daily doses of 1.4 or 14 mg in a starch base and intravenously in daily 0.5 or 1.4 mg doses for 3, 5, 9 and 11 days. It was found, that only the repeated oral administration of I in a 1.4 mg dose induced fatty dystrophy of the liver; in a 14 mg dose I induced the most intensive fatty dystrophy, II induced small changes, and III very insignificant changes. The intravenous administration of tetracyclins in 1.4 and 0.5 mg doses led to the accumulation of fat in the liver in all cases. In the development of fatty dystrophy of the liver the duration of the tetracycline administration was less significant, than the dose and the method of administration.

Card : 1/1

KIVMAN, O.Ya., kandidat meditsinskikh nauk.

Important immunity factor. Priroda 46 no.4:95-96 Ap '57.

(MIRA 10:5)

1. Institut farmakologii i khimioterapii Akademii meditsinskikh nauk SSSR (Moskva),
(Immunity) (Serum)

KIVMAN, G.Ya., kandidat meditsinskikh nauk (Moskva).

**"Metabolism in radiation sickness" by I.I. Ivanov and others.
Reviewed by G.IA.Kivman. Priroda 46 no.6:115-116 Ja '57. (MLRA 10:7)
(Metabolism) (Radiation sickness) (Ivanov, I.I.)**

USSR/Pharmacology. Toxicology. Antibiotics.

V

Abs Jour: Ref Zhur. - Biol., No 22, 1958, 102954

Author : Kivman, O. Ya.

Inst : -

Title : The Character of the Binding of Tetracyclines by the Organs and Blood Proteins.

Orig Pub: Antibiotiki, 1958, 3, No. 1, 80-84

Abstract: Experiments were conducted with homogenates of the organs of rats. It was shown that tetracyclines (I) are bound by the internal organs in considerable quantities. The binding of I by the organs and blood proteins is labile and is disturbed with relative ease by a decrease of I concentration in the surrounding fluid, which might, to a certain extent, explain the lengthy occurrence of I in the blood and other fluids of the organism. - From the author's resume

Card 1/1

KIVMAN, G.Ya.

Quantitative indexes of the binding of tetracycline antibiotics
in the blood serum and evaluation of certain methods for their
determination. Antibiotiki 4 no.3:40-44 My-Je '59.

(MIRA 12:9)

1. Otdel eksperimental'noy khimioterapii Instituta farmakologii
i khimioterapii ANS SSSR.

(TETRACYCLINE, in blood,
determ. & binding (Rus))

KIVMAN, G.Ya.; SOBOLYEV, V.R.

Two works on the side effects of antibiotics ("Side effects of antibiotics" by A.L.Libov; "Complications due to antibiotics" by V.A.Shorin. Reviewed by G.Ia.Kivman, V.R.Sobolev). Antibiotiki 4 no.3:123-124 My-Je '59. (MIRA 12:9)
(ANTIBIOTICI) (LIBOV, A.L.) (SHORIN, V.A.)

KIVMAN, G.Ya.; SMOL'NIKOVA, N.M.; IVANOVA, O.A.; NITROFANOV, V.S.

Pharmacology of a new antibiotic cycloserine. Farm. i toks. 22 no.3:
243-246 My-Je '59. (MIRA 12:7)

1. Otdel eksperimental'noy khimioterapii (sav. - doktor meditsinskikh
nauk A.M. Chernukh) Instituta farmakologii i khimioterapii ANS SSSR.
(ANTIBIOTICS,
cycloserine, pharmacol. (Rus))

KIVMAN, G.Ya.; CHUMACHENKO, N.V.; SMOL'NIKOVA, N.M.; NITROPANOV, V.S.;
KORHALDZIN, N.E.

Hypersensitivity of rabbits to tetracyclines. Biol. eksp. biol. i
med. 48 no.10:52-56 O '59. (MIRA 13:2)

1. Iz otdela khimioterapii (sav. - doktor med.nauk A.M. Chernukh)
Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy chlen
AKN SSSR V.V. Zakusov) AKN SSSR, Moskva. Predstavlena deystvitel'-
nym chlenom AKN SSSR V.V. Zakusovym.
(TETRACYCLINE pharmacol.)

KIVMAN, O.Ya.; SMIL'NIKOVA, N.M.; IVANOVA, O.A.

Convulsive effect of cycloserine under experimental conditions.
Farm.i toks. 22 no.5:447-450 8-0 '59. (MIRA 13:3)

1. Otdel eksperimental'noy khimioterapii (zaveduyushchiy - prof.
A.M. Chernukh) Instituta farmakologii i khimioterapii ANU SSSR.
(CYCLOSERINE pharmacol.)

KIVMAN, G.Ya.; SMOL'KOVA, N.M.

Comparative study on the binding of antibiotics of the tetracycline group by organ homogenates. *Biol. eksp. biol. i med.* 48 no.12:68-71 D '59. (MIRA 13:5)

1. Iz otdela eksperimental'noy khimioterapii (sav. - prof. A.M. Chermukh) Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy chlen ANU SSSR V.V. Zakusov) ANU SSSR, Moskva. Predstavlena deystvitel'nyy chlenom ANU SSSR V.V. Zakusovym.
(TETRACYCLINE metab.)

KIVMAN, G.Ya., YAKOVLEV, V.P.

Simple apparatus for measuring the diameters of the zones in the determination of the activity of antibiotics. Med. prom. 14, no.5: 46-47 My '60. (MIRA 13:9)

1. Nauchno-issledovatel'skiy institut farmakologii i khimioterapii Akademii meditsinskikh nauk SSSR.
(ANTIBIOTICS) (BIOLOGICAL APPARATUS AND SUPPLIES)

CHERNUKH, A.M., prof.; KIVMAN, O.Ya., kand.med.nauk

A needed manual ("Methods in experimental chemotherapy." Reviewed
by A.M.Chernukh, O.IA.Kivman). Farm.1 toks. 23 no.2:183-184 Mr-
Ap '60. (MIRA 14:3)

(CHEMOTHERAPY)

CHERNUKH, A.M., prof.; KIVMAN, O.Ya., kand.meditsinskikh nauk

Achievements and prospects in Soviet chemotherapy. Sov.med. 25
no.8:39-46 Ag '60. (MIRA 13:9)

1. Iz Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy
chlen AMN SSSR prof. V.V. Zakusov) AMN SSSR.
(CHEMOTHERAPY)

KIVMAN, G.Ya., KALININA, N.A.

Biological method for determining preparation Th-1314 (thianide)
in the blood. Biul. eksp. biol. i med. 50 no.7:121-122 JI '60.
(MIRA 14:5)

1. Is otdela eksperimental'noy khimioterapii (zav. - prof. A.M.
Chernukh) Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy
chlen AMN SSSR V.V.Zakusov) AMN SSSR, Moskva, Predstavlena
deystvitel'nyy chlenom AMN SSSR V.V.Zakusovym.
(ISONICOTINIC ACID)

KIVMAN, G. Ya.

pharmacology

ABRAMOVA, Zh.I., kand. med. nauk; ANICHKOV, S.V., prof.; BELEN'KIY, M.L.,
prof.; VAL'DMAN, A.V., doktor med. nauk; VEDEYEVA, Z.I., kand.
med. nauk; VINOGRADOV, V.M., kand. med. nauk; GERSHANOVICH, M.L.,
kand. med. nauk; GINETSIN'SKIY, A.G., prof.; GORBOVITSKIY, S.Ye.,
prof.; GREBENKINA, M.A., dotsent; GREKH, I.P., dots.; DENISENKO,
P.P., kand. med. nauk; D'YACHENKO, P.K., kand. med. nauk; ZHESTYANIKOV,
V.D., kand. med. nauk; ZAUQOL'NIKOV, S.D., prof.; ZEMAL', E.V., kand.
med. nauk; ISKAREV, N.A., kand. med. nauk; KARASIK, V.M., prof.;
KIVMAN, G.Ya., kand. med. nauk; KOZLOV, O.D., kand. med. nauk; KROTOV,
A.I., doktor veter. nauk; KUDRIN, A.N., doktor med. nauk; LAZAREV, N.V.,
prof.; LAPIN, I.P., kand. med. nauk; MEL'NIKOVA, V.P., prof.;
MESHCHERSKAYA, K.A., prof.; MIKHEL'SON, M.Ya., prof.; MOSHKOVSKIY,
Sh.D., prof.; PADEYSKAYA, Ye.N., kand. med. nauk; PARIBOK, V.P., prof.;
PERSHIN, G.H., prof.; PLANEL'YES, Kh.Kh., prof.; PONOMAREV, G.A.,
prof.; POSKALENKO, A.N., kand. med. nauk; MUKHIN, Ye.A., dots.;
ROZOVSKAYA, Ye.S., dots.; RYBOLOVLEV, R.S., starshiy nauchnyy sotr.;
SALYAMON, L.S., kand. med. nauk; SAFRAZBEKIAN, R.R., kand. biol. nauk;
TIUNOV, L.A., kand. med. nauk; TOMILINA, T.N., dots.; FELISTOVICH,
G.I., kand. med. nauk; FRUYENTOV, N.K., kand. med. nauk; KHAUNINA,
R.A., kand. med. nauk; TSYGANOV, S.V., prof. [deceased]; CHERKES, A.I.,
prof.;

(Continued on next card)

ABRAMOVA, Zh.I.—(continued) Card 2.

CHEPNOV, V.A., doktor med. nauk; SHADURSKIY, K.S., prof.;
YAKOVLEV, V.Ya., doktor khim. nauk; MASHKOVSKIY, M.D., red.;
NIKOLAYEVA, M.M., red.; RULEVA, M.S., tekhn. red.; CHUNAYEVA,
Z.V., tekhn. red.

[Manual on pharmacology] Rukovodstvo po farmakologii. Leningrad,
Medgiz. Vol.2. 1961. 503 p. (MIRA 15:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Anichkov, Karasik, Cherkes). 2. Chlen-korrespondent Akademii medi-
tsinskikh nauk SSSR (for Belen'kiy, Ginetzinskiy, Moshkovskiy,
Planel'yes).

(PHARMACOLOGY)

KIVMAN, G.Ya.; SHNEYERSON, A.N.

Monograph on a current problem ("Drug resistance of micro-organisms"
by M.N.Lebedeva, S.D.Voropaeva. Reviewed by G.IA.Kivman, A.N.
Shneyerson). Antibiotiki 6 no.3:283 Mr '61. (MIRA 14:5)
(BACTERIA, EFFECT OF DRUGS ON) (LEBEDEVA, M.N.)
(VOROPAeva, S.D.)

KIVMAN, G.Ya., PORFIR'YEVA, R.P.

Effect of antibiotics from the tetracycline group on catalase
activity in the blood. Antibiotiki 6 no.4:330-333 Ap '61.

(MIRA 14:5)

1. Otdel eksperimental'noy khimioterapii (sav. - prof. A.M.Chernukh)
Instituta farmakologii i khimioterapii AMN SSSR.
(CATALASE) (TETRACYCLINE)

SMOL'NIKOVA, N.M.; KIVMAN, O.Ya.

Antagonism between cycloserine and some analeptics. *Farm. i toks.*
24 no.5:592-594 8-0 '61. (MIRA 14:10)

1. Otdel eksperimental'noy khimioterapii (zav. - prof. A.M.Chernukh)
Instituta farmakologii i khimioterapii AMN SSSR.
(CYCLOSERINE) (ANALEPTICS)

KIVMAN, O.Ya.; PORFIR'YEVA, R.P.

Analysing the effect of antibiotics of the tetracycline group on the catalase activity of blood and liver from the point of view of their distribution in the organism. Dokl.AN SSSR 138 no.4:977-978 Ju '61.
(MIRA 14:5)

1. Nauchno-issledovatel'skiy institut farmakologii i khimioterapii Akademii meditsinskikh nauk SSSR. Predstavleno akademikom V.N. Chernigovskim.

(CATALASE)

(TETRACYCLINE)

CHERNUKH, Aleksey Mikhaylovich; KIVMAN, Grigoriy Yakovlevich; SOBOLEV,
V.R., red.; BALDINA, N.F., tekhn. red.

[Antibiotics of the tetracycline group] Antibiotiki gruppy
tetratsiklinov. Moskva, Medgiz, 1962. 354 p. (MIRA 15:7)
(TETRACYCLINE)

KIVMAN, O.Ya.

Relationship between the distribution and activity of antibiotics in
the body and the signs of their therapeutic and side effect. Antibiotiki
6 no.9:86-94 S '61. (MIRA 15:2)

1. Institut farmakologii i khimioterapii AN SSSR.
(ANTIBIOTICS)

KIVMAN, O.Ya.; RUDZIT, E.A.; YAKOVLEV, V.P.

Effect of the functional state of the body on the distribution of antibiotics. Antibiotiki 7 no.4:370-378 Ap '62. (MIRA 15:3)

1. Institut farmakologii i khimioterapii AMN SSSR.
(ANTIBIOTICS) (PHYSIOLOGY)

XIVMAN, G.Ya.; SMOLINIKOVA, N.M.

Absorption of antibiotics from the tetracycline group in the intestines. Antibiotiki 6 no.8:702-704 Ag '61. (MIRA 15:6)

1. Otdel eksperimental'noy khimioterapii (sav. - prof. A.M. Chermukh) Instituta farmakologii i khimioterapii AMN SSSR.

(TETRACYCLINE)

(INTESTINES)

KIVMAN, G.Ya.; KALININA, N.A.

Stimulating effect of antibiotics from the tetracycline group on the absorptive function of the reticulo-endothelial system. Biul. eksp.biol.i med. 53 no.6:46-48 Je '62. (MIRA 15:10)

1. Iz otdela khimioterapii (sav. - prof. A.M.Chernukh) Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy chlen AMN SSSR V.V.Zakusov) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR V.V.Zakusovym.

(TETRACYCLINE) (RETICULO-ENDOTHELIAL SYSTEM)

KITMAN, G.Ya.; RUDZIT, E.A.

Binding of penicillin by blood proteins. Vop. med. khim. 8
no.4:364-373 J1-Ag '62. (MIRA 17:11)

1. Otdel khimioterapii Instituta farmakologii i khimioterapii
AMN SSSR, Moskva.

.KIVMAN, G. Ya.

Differences in the effectiveness of antibiotics of the tetracycline group with special reference to their uptake in the intestines. Antibiotiki 7 no.10:891-896 0'62 (MIRA 16:12)

1. Otdel khimioterapii (nav. - prof. A.M.Chernukh) Instituta farmakologii i khimioterapii AN SSSR.

KIVMAN, G.Ya.; SMOL'NIKOVA, N.M.

Production and comparative studies on racemates and stereoisomers of cycloserine. Antibiotiki 8 no.9:845-860 3 '63.

(MIRA 17:11)

1. Institut farmakologii i khimioterapii AIN SSSR.

YAKOVLEV, V.F., KIVMAN, G.Ya.

Toxicity of penicillin in experimental anaphylactic states of the
organism. Antibiotiki 8 no. 11:1018-1021 N '61. (MIRA 1749)

1. Otdel khimioterapii (zav. - prof. A. Ghermukh) Instituta
farmakologii i khimioterapii ANU SSSR.

KIVMAN, G. Ya.

"Study of binding of antibiotics on biologic substrates as a methodical basis for determination of their content in the organism."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst for Pharmacology & Chemotherapy, AMB USSR, Moscow.

KIVMAN, G. Ya.; RUDZIT, E.A.; YAKOVLEV, V.P.

Standards and quantitative indices of the fixation of penicillin
by the blood serum and homogenates of body organs. Antibiotiki
8 no.3:251-254 Mr'63 (MIRA 17:4)

1. Otdel khimioterapii (sav. - prof. A.M. Chernukh) Instituta
farmakologii i khimioterapii ANU SSSR.

SMOL'NIKOVA, N.M.; KIVMAN, G.Ya.

Relationship between the dose of Di- and D-cycloserine and
the effect on the convulsive action of some analeptics. Farm.
i toks. 26 no.1:17-22 Ja-P '63. (MIRA 17:7)

1. Otdel khimioterapii (zav. - prof. A.M. Chernukh) Instituta
farmakologii i khimioterapii AMN SSSR.

PORFIR'YEVA, R.P.; KIVMAN, G.Ya.

Nature of the effect of antibiotics from the tetracycline group on the blood and liver catalases in experimental pneumococcal infections in rats. Antibiotiki 8 no.10:950-953 O '63.

(MIRA 17:10)

1. Otdel khimioterapii (zav. - prof. A.M. Chernukh) Instituta farmakologii i khimioterapii AN SSSR.

KALININA, N.A.; KIVMAN, G.Ya.

Influence of the infectious process and chemotherapy on the absorptive function of the reticuloendothelial system. Pat. fiziol. i eksp. terap. 8 no.5:62-65 S-O '64.

(MIRA 18:12)

1. Otdel khimioterapii (sav. - prof. A.M.Chernykh) Instituta farmakologii i khimioterapii (direktor - deystvitel'nyy chlen AMN SSSR prof. V.V.Zakusov) AMN SSSR, Moskva. Submitted March 1, 1963.

KIVMAN, G.Ya.; YAKOVLEV, V.P.

Quantitative indices and regularities in binding new semi-synthetic penicillins with blood serum proteins. Antibiotiki 9 no.2:151-156 P '64. (MIRA 17:12)

1. Otdel khimioterapii (sav.- prof. A.M. Chenykh) Instituta farmakologii i khimioterapii AN SSSR, Moskva.

KIVMAN, G.Ya., LOMONIKOVA, N.M.

Indices of the clearance of the blood serum of D- and D,L-
cycloserine in rabbits. Antibiotiki 9 no.12:1060-1066 D '64.

(MIRA 18:7)

1. Laboratoriya farmakologii otдела khimioterapii (sav. - prof. A.M.
Chernukh) Instituta farmakologii i khimioterapii AN SSSR, Moskva.

YAKOVLEV, V.P.; KIVMAN, G.Ya.

Binding of benzylpenicillin salts by blood serum proteins. Vop.med.khim.
10 no.2:155-158 Mr-Apr '64. (MIRA 18:1)

1. Otdel khimioterapii Instituta farmakologii i khimioterapii AMN SSSR,
Moskva.

KIVMAN, G.Ya., PORFIR'YEVA, R.P.

Binding of novobiocin by blood serum proteins and its determination in serum in the free and bound state. Vop. med. khim. 10 no.4:402-407 J1-Ag '64. (MIRA 18:4)

1. Otdel khimioterapii Instituta farmakologii i khimioterapii AMN SSSR, Moskva.

KIVMAN, O.Ya.; KALININA, N.A.

State of the absorptive function of the reticuloendothelial system in experimental infection treated with tetracyclines.
Biol. eksp. biol. i med. 57 no.6:43-44. Ja '64.

(MIRA 18:4)

1. Otdel khimioterapii (sav. - prof. A.M.Chernukh) Instituta farmakologii i khimioterapii (dir. - deystvitel'nyy chlen AMN SSSR V.V.Zakusov) AMN SSSR, Moskva.

PORFIR'YEVA, R.P. i KIVMAN, G.Ya.

Study on the interaction of novobiocin with proteins and some other components of the blood serum. Antibiotiki 10 no.6:522-526 Ja '69.

(MIRA 18:7)

1. Laboratoriya farmakologii khimioterapevticheskikh preparatov otдела khimioterapii (zav. otdelom - prof. A.M.Chernukh) Instituta farmakologii i khimioterapii AN SSSR, Moskva.

ЛИВАН, Г.И., МОЛ'НИЦОВА, Н.М.

Interaction of tetracyclines with liver cell components in
rats. Antibiotiki 10 no.3:229-234 M. '65. (MIRA 18:10)

1. laboratoriya farmakologii khimioterapevticheskikh preparatov
otdela khimioterapii (rav. otdelen - prof. A.M. Chernykh) Instituta
farmakologii i khimioterapii AMN SSSR, Moskva.

URUPOV, A.K.; KIVOKURTSEV, V.I.

Interpretation of observations by the reflected waves method with the aid of parametric diagrams. Razved. geofiz. no.1:27-32 '64. (MIRA 18:7)

URUPOV, A.K.; KIVONURSEV, V.I.

Setting up reflecting boundaries with the aid of parametric diagrams. Uch. zap. Perm. gos. un. no. 122:10-15 '64.

Recommended methods for determining the intra-stratum and mean velocities by the parametric diagram technique. Ibid.: 16-23 (MIRA 19:1)

ACC NR: AP6030142

SOURCE CODE: UR/0120/66/000/004/0115/0117

AUTHOR: Kivokurtsov, Yu. Ye.

ORG: none

TITLE: A drift-free integrator with negative feedback

SOURCE: Pribery i tekhnika eksperimenta, no. 4, 1966, 115-117

TOPIC TAGS: pulse integrator, circuit design, error prediction, negative feedback, voltage stabilization

ABSTRACT: An integrating circuit with negative feedback has been developed to provide a drift-free output voltage. It includes capacitors in the integrating loop with the output voltage taken from the common point of the series-connected capacitors. The drift-free output eliminates the control problem and reduces the error of the ordinary tube integrator. An analysis of the transmission function of the circuit in operational form reveals several advantageous properties, and an error analysis similarly conducted indicates that the circuit is suitable for videosignals. For a 20-millisecond videosignal, a single-stage amplifier with an amplification of 100 has a relative error of 2.2-2.4%. For periodic and nonperiodic videosignals with durations up to one second, the integrating error constitutes several percent. One single-stage integrator for a periodic negative videosignal of 30 milliseconds with a repetition rate of 25 has an error of 3%. Orig. art. has: 3 figures and 16 formulas.

SUB CODE: 09/ SUBM DATE: 27Jul65/ ORIG REF: 003

Card 1/1

UDC: 621.375.132

KIVOTOV, S.A.; KOZYR', I.V., redaktor.

[Preparation of visual aids on botany and the principles of Darwinism in connection with practical field work; work practice of the V.I.Lenin secondary school] Izgotovlenie nagliadnykh posobii po botanike i osnovam darvinizma v svyazi s prakticheskimi rabotami; iz opyta raboty srednei shkoly pamiati V.I.Lenina. Moskva, Izd-vo Akademii pedagog. nauk MFSR, 1954. 46 p. (MLBA 8:2)
(Botany--Study and teaching)

KIVOTOV, Sergey Aleksandrovich; KIKHLYUDOVA, A.S., redaktor; SMIRNOV, O.I.,
tekhnicheskiiy redaktor

[Practical work in school garden plots; a manual for students of
classes 5-6 in secondary schools] Prakticheskie zaniatiia na shkol'-
nom uchebno-opytnom uchastke; posobie dlia uchashchikhsia V-VI
klassov srednei shkoly. Moskva, Gos. uchebno-pedagog. izd-vo
Ministerstva prosveshcheniia RSFSR, 1956. 142 p. (MIRA 9:12)
(School gardens)

XIVOTOV, S.A.

Agricultural practical work of students in the spring. Est. v shkole
no.2:46-54 Mr-Apr '56. (MIRA 9:7)

1. Uchitel' shkoly pamyati V.I. Lenina Leninskogo rayona Moskovskoy
oblasti.

(Agriculture--Study and teaching)

KIVOTOV, S.A., uchitel'.

Manual tools for work on a school experimental plot. Est.v shkole
no.3:85-86 My-Je '56. (MLRA 9:8)

1. Shkola ^{pamyati} pamyati V.I. Lenina Leninskogo rayona Moskovskoy oblasti.
(Agricultural implements)

КИМОВ, Сергей Александрович; МЕХЛИУДОВА, А.С., редактор; СЕРНОВ, О.И.,
технический редактор

[Practical work in school garden plots; a manual for students in
grades five and six of the secondary school] Prakticheskie zaniatia
na shkol'nom uchebno-opytnom uchastke; posobie dlia uchashchikhsia
V-VI klassov srednei shkoly. Izd. 2-oe. Moskva, Oos. uchebno-
pedagog. izd-vo M-va prosv. RSFSR, 1957. 142 p. (MLR: 10:10)
(School gardens)

KIVOTOV, S.A.

Experimental work of the students of grade 8 on the school plot.
Biol.v shkole no.1:45-49 Ja-Y '57. (MLRA 10:5)

1.Uchitel' sredney shkoly pamyati V.I. Lenina, Gorki Leninskiye
Moskovskoy oblasti.

(Botany--Study and teaching)

Резюме
KIVOTOV, S.A. uchitel' (Gorki Leninskiye Moskovskoy oblasti)

Two experiments in studying soil properties. Biol. v shkole no.1:
86 Ja-P '58. (MIRA 11:1)

1. Shkola pamiati V.I. Lenina.
(Gorki (Moscow Province)---Soil research---Study and teaching)

KIVOTOV, S.A., zasluzhennyi uchitel' shkoly RSFSR

Phenological observations and nature calendar. Biol. v shkole
no.2:54-57 Mr-Apr '59. (MIRA 12:4)

1. Shkola pamyati V.I. Lenina, Gorki Leninskiye, Moskovskoy
oblasti.

(Phenology--Study and teaching)

KIVOTOV, S.A., zaslushennyy uchitel' shkoly RSFSR.

First lessons in studying the fundamentals of plant culture.
#101. v shkole no.4:58-64 Jl-Ag '59. (MIRA 12:11)

1. Shkola pamyati V.I. Lenina, Gorki Leninskiye Moskovskoy oblasti.
(Agriculture--Study and teaching)

KIVOTOV, S.A., zaslushenny uchitel' shkoly RSFSR

Trend of our work on the experimental lot of the school.
Politekh.obuch. no.11:47-53 M '59. (MIRA 13:2)

1. Srednyaya shkola pamyati V.I.Lenina.
(Agriculture--Study and teaching)
(School gardens)

KIVOTOV, S.A., zasluzhennyy uchitel' shkoly RSFSR (Oorki Leninskiye
Moskovskoy oblasti)

"Homemade visual aids" by P.P. Stepanov. Reviewed by S.A. Kivotov.
Biol. v shkole no.4, 95-96 JI-Ag '61., (MIRA 14:7)
(Biology--Audio-visual aids)
(Stepanov, P.P.)

KIVOTOV, S.A.

¹[Practical work in school garden plots and on collective farms; a textbook for grade 7 of the secondary school]Prakticheskie zaniatiia na shkol'nom uchebno-opytном uchastke i v kolkhose; posobie dlia uchashchikhsia VII klassov srednei shkoly. Izd.2. Moskva, Gos.uchebno-pedagog. izd-vo, 1959. 95 p.

(MIRA 15:9)

(Agriculture--Study and teaching)

FEDOROVA, V.N., starshiy nauchnyy sotr.; MYSHLAYEVA, N.A., mlad.
nauchnyy sotr.; GRIGOR'YEVA, N.P., mlad. nauchnyy sotr.; KI-
VOTOV, B.A., sasl. uchitel shkoly RSFSR; SHADRINA, M.S.,
red.; NOVOSELOVA, V.V., n. red.

[Tie between teaching botany and the work of students in
plant growing] Sviaz' obucheniia botanike s trudom ucha-
shchikhsia po rastenievodstvu. Pod red. V.N.Fedorovoi. Mo-
skva, Izd-vo Akad. pedagog.nauk RSFSR, 1962. 146 p.

(MIRA 15:9)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut
obshchego i politekhnicheskogo obrazovaniya.

(Botany—Study and teaching)

KIVOTOV, S.A., saslushennyy uchitel' shkoly RSFSR (Gorki Leninskiye Moskovskoy Oblasti)

"Homemade collections in botany and zoology" by S.A. Pavlovich. Reviewed
by S.A. Kivotov. Biol. v shkole no.3:90-91 My-Je '62. (MIRA 15:7)
(Zoological specimens—Collection and preservation)
(Plants—Collection and preservation)
(Pavlovich, S.A.)

SHAIYEV, Vasilii Feofilovich; COCOLEVA, Yelena Dmitriyevna; ~~KINGTOV,~~
Sergey Aleksandrovich; PROPERANSOVA, N.V., red.; TARASOVA,
V.V., ~~tskhm.~~ red.

[Correlation between zoology lessons and practical work of
students in rabbit husbandry] Vzaïmosviaz' urokov zoologii s
prakticheskimi rabotami uchashchikhsia po krolikovodstvu.
Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 52 p.

(MIRA 15:10)

(Stock and stockbreeding--Study and teaching) (Rabbits)

KIVOTOV, S.A., saslushennyy uchitel' shkoly RSPSR (Gorki Leninskiye
Moskovskoy oblasti)

Homemade visual aids for the topic: "Seed and its germination."
Biol. v shkole no.5:38-41 8-0 '62. (MIRA 16:2)
(Botany—Audio-visual aids)
(Seeds)

KIVOVICS, Imre

Remarks about the article entitled "Let us increase the role of the trade-union membership meetings." Munka 5 no.3:5-5 Hr 155.

1. Orvos Egesszsegügyi Dolgosok Szakszervezete osztalyvezetoje.

KIVRIK, S.A.

Standardisation of automatic tongs. Kus.-shtan.proisv. 1
no.11:41-42 M '59. (MIRA 13:3)
(Forge shops--Equipment and supplies)

KIVRIN, S.A., inzh.

SM-1004 installation for automatic unloading and stacking
of gypsum plaster board sheets. Stroil. Mat. 10 no.1:27-29
Ja'64. (MIRA 17:5)

SHVETS, Veniamin Izrailovich; GOROKHOVSKIY, A.I., retsenzent;
KIVROVA, Ye.P., retsenzent; KRUGLOV, S.V., retsenzent;
~~DOKHOVNIY~~, F.N., red.

[Hoisting and conveying machinery in light industry] Pod"-
emno-transportnye mashiny v legkoi promyshlennosti. Mo-
skva, Legkaia industriia, 1964. 290 p. (MIRA 17:10)

OSTROVITYANOV, Emiliy Mikhaylovich; MNLIN, Ivan Vasil'yevich; KIVROVA,
Ye.P., inzh., retsenzent; MIRAV'YEV, M.I., inzh., nauchnyy red.;
DUKHOVNYI, F.M., red.; KHAKHIN, M.T., tekhn.red.

[Adjustment and regulation of basic shoe machinery] Tekhnologicheskaya regulirovka osnovnykh obuvnykh mashin. Moskva. Gos. nauchno-tekhn.isd-vo lit-ry po legkoi promysl., 1959. 251 p.
(MIRA 13:5)

(Shoe machinery)

SMELYY, A.S.; SHUBIN, V.V.; KIVSHENKO, A.M.

Thin-layer polyamide coatings. Mashinostroitel' no.12:18
D '63. (MIRA 17:1)

KIVSHENKO, M.Ya. (Penza)

Designing a ring with broken regularity. Stroimokh. i rasch.scor.
6 no.3:15-19 '64. (MIRA 18:1)

KIVSCHENKO, M.Ya. (Penza)

Multiple-seated circular ring on elastic supports. Stroi. makh.
1 rasch. secr. 2 no.6;7-12 '60. (MIRA 13:12)
(Elastic rods and wires)

KIVSHENKO, M.Ya. (Penza)

Design of a ring resting on elastically yielding supports. Stroi.
mekh. i rasch. soor. 4 no.6:15-20 '62. (MIRA 16:1)
(Elasticity)

8/781/82/000/000/003/038

AUTHOR: Zagorodnov, O. G., Faynberg, Ya. B., Yegorov, A. M., Kivshik, A. P.

TITLE: Reflection of electromagnetic waves from a moving plasma. Investigation of waveguide properties of a plasma

PERIODICAL: Fizika plazmy i problemy upravlyayemogo termoyadernogo sinteza; doklady i konferentsii po fizike plazmy i probleme upravlyayemykh termoyadernykh reaktsiy. Fiz.-tech. inst. AN Ukr. SSR. Kiev, Izd-vo AN Ukr. SSR, 1982, 9-20.

TEXT: The first part of the article describes experiments on the reflection of slow electromagnetic waves from a moving plasma, aimed at ascertaining whether the frequency multiplication and increase in the reflected-wave amplitude attainable in the case of slow waves is sufficient to lead to the development of new methods of amplification of microwaves and acceleration in a plasma, and also to stabilize a plasma. Since the Doppler shift in the frequency and the change in the amplitude of an electromagnetic wave reflected from a moving mirror can be made appreciable only by increasing greatly the velocity of the reflecting surface or

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S/781/62/000/000/003/038

Reflection of electromagnetic waves from . . .

by changing the phase velocity of the wave in the space where the interaction takes place, and since it is not practical to obtain high physical mirror velocities (even when an electron beam or a plasma is used as a reflecting surface), the experiment was carried out with an electromagnetic wave of a phase velocity slowed down to that of the reflecting plasma. The slow-wave structure consisted of a helical waveguide comprising a porcelain tube 40 mm in diameter, with a helix made of copper wire 0.4 mm in diameter wound at a pitch of 0.5 mm. The experimentally measured phase velocity in the helix was $v_{ph}/c = 1/200$. A plasma piston was produced by discharging a 750 microfarad capacitor bank charged to 4.5 kV. At 24.75 Mcs, the frequency of the reflected wave was found to be increased by 11 per cent relative to the incident wave, and when the phase velocity was decreased to $1/375$ of the velocity of light, the frequency increased by 20 per cent. The velocity of the plasma piston was calculated to be $v = 8.45 \times 10^8$ cm/sec. This effect can be used for amplification and generation of microwaves, acceleration of particles, and various measurements in plasma and also to increase the stability of a plasma.

The second part of the investigation was devoted to waveguide properties of plasma. A plasma waveguide was produced by a high frequency discharge in a quartz tube 1500 mm long,

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Reflection of electromagnetic waves from . . .

5/781/62/000/000/003/036

in which a vacuum of 7×10^{-3} mm Hg was maintained. The plasma density in the waveguide could be varied up to 10^{11} cm $^{-3}$. A slow electromagnetic wave of low power (on the order of 1 watt) at frequencies from 180 to 2000 Mcs was excited in the plasma waveguide, and the resultant phase velocity of the standing wave was measured as a function of the frequency for different plasma densities and for several values of longitudinal magnetic field. A study of the dependence of the waveguide field intensity on the high-frequency power applied to the plasma (in the range from 100 to 1.5 kW) has shown this dependence to be non-monotonic, probably owing to resonance in the plasma column. Other quantities measured were the radial dependence of the longitudinal component, the nonlinear distortion of low-power signals passing through the plasma waveguide and the microwave losses in the plasma waveguide. The acceleration in the plasma was investigated by means of a small model of a helical-plasma accelerator. An analysis of the energy spectrum of the beam, made by electrostatic deflection, shows that the spectrum is quite broad and that a considerable fraction of the electrons had the expected energy near 5.5 keV. This shows that the field is capable of penetrating and reaching the axis of the plasma and that the electrons become accelerated.

K. D. Sinel'nikov is credited with suggesting one possible reason for signal distortion in the

Card 2/4

Reflection of electromagnetic waves from . . .

S/781/62/000/000/003/036

plasma waveguide. There are nine figures and sixteen references, including articles by S. S. Buchsbaum and S. O. Brown, Phys. Rev. 106, 196 (1957), V. Josephson, J. Appl. Phys. 29, 30 (1958); Ginston, Science, 127, 2306 (1958), and M. Lampert, Phys. Rev. 102, 288 (1956).

Card 4/4

LAKHMAN, N.G.; KIVSHITS, B.G.

Changes in certain physical properties of the IUL403 alloy in the process of heating and after tempering. Izv.vys.ucheb.zav.; Chern.met. 6 no.1:147-152 '63. (MIRA 16:2)

1. Moskovskiy institut stali i splavov.
(Iron-aluminum-manganese alloys--Testing)
(Metals, Effect of temperature on)

CHARUKHINA, Z.N., kand.tekhn.nauk; KIVSHITS, Ye.A., mladshiy nauchnyy sotrudnik;
GRIGOR'YEVA, N.V., starshiy nauchnyy sotrudnik; ZERODINA, I.P.,
laborant

Determining the concentration of solutions used in fur manufacture
by their electric conductivity. Nauch.-issl.trudy NIIMP no.9:56-
70 '59. (MIRA 14:5)

(Fur—Dressing and dyeing)
(Solution(Chemistry)—Electric properties)

KIVTNITSKAYA, V. V.

Infants (New-Born); Hernia

"Hernias in New-Born Infants" Fel'd. i akush. No 6, 1952

SO: Monthly List of Russian Accessions, Library of Congress, September 1952. UNCL

LYSEN OV, N.G., kand.tekhn.nauk; OLEFIR, F.F., kand.tekhn.nauk;
KOVALEV, N.G.; TERESHKIN, A.A.; KIVVA, A.N.

Noncontact system of optimum pulsed control of an electric
drive. Avtom. i prib. no. 1:11-15 Ja-Mr '64. (MIRA 17:5)

ABDULKHANOV, A.A.; MIPTAKHUTDINOVA, T.S.; KIVVA, E.Ya.; GERSHKOVICH, V.I.,
vrach

Councils of medical nurses. Med.sestra 22 no.2:51-55 F '63.

(MIRA 16:5)

1. Predsedatel' soveta meditsinskikh sester, starshaya meditsinskaya
sestra Det'skoy bol'nitsy No.3, Barnaul, Altayskiy kray (for Kolo-
mutitsa). 2. Predsedatel' soveta meditsinskikh sester Moskovskoy
gorodskoy klinicheskoy bol'nitsy No.64 (for Vasil'yev) 3. Predsedatel'
soveta meditsinskikh sester Poltavskoy bol'shoy bol'nitsy (for
Kivva).

(NURSES AND NURSING)

KIY, Payu

Blue ray. Nauka i shizn' 24 no.3:49-52 Mr '57.
(Atomic power) (Rockets (Aeronautics))

(MLRA 1015)

L 1352-66 BWP(j)/BWT(m) RM

ACCESSION NR: AP3024396

UR/0286/65/000/015/0000/0000

078.748.22-426

AUTHOR: Kiya, N. V., Rotenberg, I. P., Krasnova, S. M., Kichotova, Ya. N.,
Zapol'skaya, M. I., Lebedeva, V. S., Kupriyanova, K. I., Karmanskaya, M. A.,
Kiselev, N. P., Terenin, V. I., Lopatentova, M. A.

TITLE: A method for producing polyvinyl chloride foam, Class 39, No. 172903

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 80

TOPIC TAGS: polyvinyl chloride, foam plastic

ABSTRACT: This Author's Certificate introduces a method for producing polyvinyl chloride foam by mixing polyvinyl chloride resin with a plasticizer and additives and then saturating the resultant mass with inert gas under pressure and heating it in a high-frequency current field. The processing is made independent of the moisture-content of the resin by vacuum evaporation treatment of the plastic mass before saturation with the inert gas.

ASSOCIATION: Vladimirevskiy nauchno-issledovatel'skiy institut sinteticheskikh smol (Vladimir Scientific Research Institute of Synthetic Resins)

SUBMITTED: 02Jan68

ENCL: 00

SUB CODE: NT

NO REF SOV: 000

OTHER: 000

Card 1/1

L 24724-66 EWP(M)/EWP(J) IJP(e) RM

ACC NR: AP6009507

(A)

SOURCE CODE: UR/0413/66/000/005/0011/0011

AUTHOR: Kiya-Oglu, N. V.; Kapalkov, N. A.; Notenberg, I. P.; Bondarenko, S. G.;
Gushchin, V. Ya.; Modina, Z. V.; Bunina, Ye. D.; Zamyatin, K. K.

ORG: none

TITLE: Method of preparing foamed pavinal. Class 8, No. 179269

SOURCE: Izobreteniya, promyshlennyye obrasty, tovarnyye znaki, no. 5, 1966, 11

TOPIC TAGS: pavinal, polyvinylchloride coating, pore former

ABSTRACT: An Author Certificate has been issued describing a method for preparing foamed pavinal by applying polyvinylchloride paste containing plasticizers, stabilizers, pigments, and the pore former CH2Cl2 to a cloth base. To speed up the process, the paste applied to the cloth is heated to 180-200C. Subsequently, the coating obtained can be printed. [LD]

SUB CODE: 11/ SUBM DATE: 01Aug62/

UDC: 678.026.3
743.22:677.865.2

Card 1/1 FV

L 24127-65 EPF(n)-2/EPR/EWT(m)/EWP(b)/EWP(t) Ps-4/pu-4/pad IJP(c)
 WJ/JD/JH/JG
 ACCESSION NR AT4012720 S/2961/63/000/002/0160/0168

AUTHOR: Fridlyander, I. M.; Kiyagina, N. B.; Krivenko, R. A.

TITLE: Silicon-aluminum alloy with a low coefficient of linear expansion

SOURCE: Alyuminiyevyye splavy*. Sbornik statey, no. 2. Spechenyye splavy*.
Moscow, 1963, 160-168

TOPIC TAGS: aluminum alloy, silicon alloy, silicon aluminum alloy, SAS, linear
expansion coefficient, alloy linear expansion, alloy plasticity, iron containing
alloy, nickel containing alloy, zirconium containing alloy, titanium containing
alloy, silicon carbide

ABSTRACT: Binary aluminum-silicon alloys (4-32% Si) and those with admixtures of Fe (up to 9%), Ni(5-17%), Zr(2.7%), Ti(up to 16%), and SiC(10 and 20%) were prepared by pulverizing and grinding processes and were tested for strength and linear expansion. The highest strength was exhibited by Al-Si alloys of close-to-eutectic composition (25-30%), their plasticity decreasing as the Si content increased. Additions of Ni had a more favorable effect than additions of Fe. The best mechanical properties were obtained with additions of 5-7% Ni, while additions of Zn produced no appreciable effect. Additions of SiC produced quality

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ACCESSION NR: AT4012728

alloys, and additions of Ti produced markedly greater strength in alloys prepared by pulverizing. The lowest coefficient of linear expansion was obtained with additions of Ni. Additions of Ti were found to have a greater lowering effect than additions of Si. Alloys composed of Al, Si, and SiC possess high mechanical properties and exhibit a low coefficient of linear expansion, which decreases as the SiC content increases. The processes of preparing the alloys and examining their microstructure are given and discussed at great length. Orig. art. has: 2 tables, 4 figures and 5 graphs.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB SIDE: 00

NO REF 80V: 001

ORDER: 002

Card 2/2

LAZARENKO, A.S., redakter; OSHITS'KIY, S.Z., redakter; KIYAK, O.S., redakter;
KOZIIY, G.V., doktor biologicheskikh nauk, redakter; OSHITS'KIY, S.P.,
kandidat s.-g. nauk, redakter; STRAUTMAN, F.I., kandidat biol. nauk,
redakter; TATARINOV, K.A., redakter; POLYAKOV, M.I., redakter;
RAKHILINA, N.P., tekhnicheskiiy redakter.

[Biochemistry of farm animals] Biokhimiya sil's'kokhosyadars'kikh
tvaryn. Kyiv, 1953. 58 p. [Microfilm]. (MIRA 9:6)

1. Akademiya nauk USSR, Kiev. Institut agrobiologii. 2. Chlen-korespondent AN USSR (for Lazarenko, Oshits'kiy, Kiyak).
(Physiological chemistry) (Veterinary physiology)

LAZARENKO, A.S., redaktor; OZHITS'KIY, S.Z., redaktor; KIYAK, O.S., redaktor; KOZII, O.V., doktor biologichnikh nauk, redaktor; BABA-NITS'KIY, S.F., kandidat silt'sko-gospodars'kikh nauk, redaktor; STRAUTMAN, F.I., kandidat biologichnikh nauk, redaktor; TATARINOV, K.A., redaktor; MAKSIDENKO, O.I., redaktor; RAKHLINA, N.P., tekhn-redaktor.

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